Resene Aquaclear

waterborne urethane varnish

Resene Aquaclear has been developed as a waterborne alternative to turps thinned oil modified urethanes to enhance and protect timber. Where maximum abrasion resistance is required, such as high traffic floors, a moisture-cured urethane, such as Resene Polythane (see Data Sheet D53), is recommended.

Physical properties

Vehicle type	Urethane/acrylic
Pigmentation	Flatting agents
Solvent	Water
Finish	Satin, semi-gloss, gloss
Colour	Turbid - dries clear
Dry time (minimum)	30 minutes at 18°C
Recoat time (minimum)	2 hours; full cure: 72 hours
Theoretical coverage	About 12 sq. metres per litre
Dry film thickness	23 microns at 12 sq. metres per litre
Usual no. of coats	3. New work – 4 minimum.
Abrasion resistance	Fair
Heat resistance	Thermoplastic
Solvent resistance	Good
Durability	Good
Thinning and clean up	Water
VOC	95 grams per litre (see Resene VOC Summary)

interior

Typical uses

- Cork
- Desks
- Doors
- Fibre and particle board
- Furniture
- Panelling
- Parquet
- Skirtings
- Solid timber
- Veneers

Performance and limitations

Performance

1. Low odour application and drying.
2. Water wash up.
3. Easy recoating.
4. An Environmental Choice approved product.

Limitations

1. Do not apply at temperatures below 10°C or when it is liable to drop below 10°C during the drying period.
2. Dries very quickly at high temperatures and low humidity. Maintain a wet edge.
3. Not recommended for high abrasion areas.
4. Allow 72 hours for coating to reach full cure.

Please ensure the current Data Sheet and Safety Data Sheet are consulted prior to specification or application of product. If in doubt contact Resene.

Aquaclear waterborne urethane varnish

Surface preparation

New wood

Thoroughly sand surface. Ensure surface is clean and dry, free from dirt, dust and loose material, oil, grease and mould.

Old wood re-varnish

Prepare as for new wood. Ensure surface is clean and dry, free from dirt, dust and loose material, oil, grease and mould. Sand to dull finish with fine sandpaper and remove sanding dust. If old varnish is flaking, everything must be removed to ensure a uniform appearance.

Sanding dust from old lead or chromate based paints or old building materials containing asbestos may be injurious to the health if inhaled or ingested. Seek expert advice if the presence of these materials is suspected.

Application

Application by speed brush is recommended. May also be applied by bristle brush and spray. Roller application is not recommended because of the likelihood of excessive foam formation. Apply Resene Aquaclear evenly, avoiding working back over areas that have begun to set as this will lead to a patchy finish.

Waterborne clear finishes are more sensitive to oil and grease than solventborne finishes. If there is any doubt about the level of preparation possible, whether all oil and grease has been removed or the environment in which timber doors are to be finished in, apply a sealer coat of Resene Qristal Clear solventborne clear finish first.

New fibre and particle board

1. Apply one coat of Resene Aquaclear thinned with up to 10% clean water. Allow to dry for at least two hours.
2. Apply three coats unthinned of Resene Aquaclear allowing at least two hours between coats. Lightly sand with fine sandpaper between coats.

Timber - new

1. Apply one coat of Resene Aquaclear thinned with up to 10% clean water. Allow to dry for at least two hours.
2. Apply three coats unthinned of Resene Aquaclear allowing at least two hours between coats. Lightly sand with fine sandpaper between coats.

Timber – recoat

After preparing surface, apply three coats unthinned as for timber - new.

Precautions

Avoid breathing vapour - use with adequate ventilation.

Please ensure the current Data Sheet is consulted prior to specification or application of Resene products.
If the surface you propose to coat is not referred to by this Data Sheet, please contact Resene for clarification.

In Australia
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the paint the professionals use

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